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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/061,043A

DATE: 03/19/2003

TIME: 13:24:58

Input Set : A:\REG753B.txt

Output Set: N:\CRF4\03192003\J061043A.raw

5 <110> APPLICANT: Glass, David  
7 Bodine, Sue  
11 <120> TITLE OF INVENTION: NOVEL NUCLEIC ACID AND POLYPEPTIDE MOLECULES  
15 <130> FILE REFERENCE: REG 753B  
19 <140> CURRENT APPLICATION NUMBER: 10/061,043A  
C--> 21 <141> CURRENT FILING DATE: 2003-03-12  
25 <150> PRIOR APPLICATION NUMBER: 60/338,742  
27 <151> PRIOR FILING DATE: 2001-10-22  
31 <150> PRIOR APPLICATION NUMBER: 60/311,697  
33 <151> PRIOR FILING DATE: 2001-08-10  
37 <150> PRIOR APPLICATION NUMBER: 60/264,926  
39 <151> PRIOR FILING DATE: 2001-01-30  
43 <160> NUMBER OF SEQ ID NOS: 48  
47 <170> SOFTWARE: PatentIn version 3.0  
51 <210> SEQ ID NO: 1  
53 <211> LENGTH: 29  
55 <212> TYPE: DNA  
57 <213> ORGANISM: mouse  
61 <400> SEQUENCE: 1  
62 gaacacagga ggagaaactg gaacatgtc 29  
65 <210> SEQ ID NO: 2  
67 <211> LENGTH: 24  
69 <212> TYPE: DNA  
71 <213> ORGANISM: mouse  
75 <400> SEQUENCE: 2  
76 cccgaaatgg cagtatttct gcag 24  
79 <210> SEQ ID NO: 3  
81 <211> LENGTH: 17  
83 <212> TYPE: PRT  
85 <213> ORGANISM: rat  
89 <400> SEQUENCE: 3  
91 Asp Glu Glu Glu Glu Phe Thr Glu Glu Glu Glu Glu Asp Gln Glu  
92 1 5 10 15  
94 Glu  
97 <210> SEQ ID NO: 4  
99 <211> LENGTH: 29  
101 <212> TYPE: DNA  
103 <213> ORGANISM: mouse  
107 <400> SEQUENCE: 4  
108 gaacacagga ggagaaactg gaacatgtc 29  
111 <210> SEQ ID NO: 5  
113 <211> LENGTH: 24  
115 <212> TYPE: DNA

ENTERED

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117 <213> ORGANISM: mouse
121 <400> SEQUENCE: 5
122 cccgaaatgg cagtatttct gcag
125 <210> SEQ ID NO: 6
127 <211> LENGTH: 39
129 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 6
137 Leu Pro Leu Cys Leu Gln Leu Asn Leu Met Gln Arg Leu Ser Asp Gly
138 1 5 10 15
140 Arg Asp Leu Val Ser Leu Gly Gln Ala Ala Pro Asp Leu His Val Leu
141 20 25 30
143 Ser Glu Asp Arg Leu Leu Trp
144 35
146 <210> SEQ ID NO: 7
148 <211> LENGTH: 39
150 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 7
158 Leu Pro Glu Asp Val Leu Phe His Ile Leu Lys Trp Leu Ser Val Glu
159 1 5 10 15
161 Asp Ile Leu Ala Val Arg Ala Val His Ser Gln Leu Lys Asp Leu Val
162 20 25 30
164 Asp Asn His Ala Ser Val Trp
165 35
167 <210> SEQ ID NO: 8
169 <211> LENGTH: 39
171 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 8
179 Leu Pro Glu Pro Leu Leu Leu Arg Val Leu Ala Ala Leu Pro Ala Ala
180 1 5 10 15
182 Glu Leu Val Gln Ala Cys Arg Leu Val Cys Leu Arg Trp Lys Glu Leu
183 20 25 30
185 Val Asp Gly Ala Pro Leu Trp
186 35
188 <210> SEQ ID NO: 9
190 <211> LENGTH: 42
192 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 9
200 Leu Pro Gly Glu Val Leu Glu Tyr Ile Leu Cys Cys Gly Leu Thr Ser
201 1 5 10 15
203 Ala Ala Asp Ile Gly Arg Val Ser Ser Thr Cys Arg Arg Leu Arg Lys
204 20 25 30
206 Leu Cys Gln Ser Ser Gly Lys Val Trp Lys
207 35 40
209 <210> SEQ ID NO: 10
211 <211> LENGTH: 39

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213 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 10
221 Leu Pro Leu His Met Leu Asn Asn Ile Leu Tyr Arg Phe Ser Asp Gly
222 1          5          10          15
224 Trp Asp Ile Ile Thr Leu Gly Gln Val Thr Pro Thr Leu Tyr Met Leu
225          20          25          30
227 Ser Glu Asp Arg Gln Leu Trp
228          35
230 <210> SEQ ID NO: 11
232 <211> LENGTH: 37
234 <212> TYPE: PRT
236 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 11
242 Leu Pro Tyr Glu Leu Ala Ile Asn Ile Phe Gln Tyr Leu Asp Arg Lys
243 1          5          10          15
245 Glu Leu Gly Arg Cys Ala Gln Val Cys Thr Trp Lys Val Ile Ala Glu
246          20          25          30
248 Asp Glu Val Leu Trp
249          35
251 <210> SEQ ID NO: 12
253 <211> LENGTH: 38
255 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 12
263 Leu Pro Thr Asp Pro Leu Leu Leu Ile Leu Ser Phe Leu Asp Tyr Arg
264 1          5          10          15
266 Asp Leu Ile Asn Cys Cys Tyr Val Ser Arg Arg Leu Ser Gln Leu Ser
267          20          25          30
269 Ser His Asp Pro Leu Trp
270          35
272 <210> SEQ ID NO: 13
274 <211> LENGTH: 37
276 <212> TYPE: PRT
278 <213> ORGANISM: Homo sapiens
282 <400> SEQUENCE: 13
284 Leu Pro Lys Glu Leu Ala Leu Tyr Val Leu Ser Phe Leu Glu Pro Lys
285 1          5          10          15
287 Asp Leu Leu Gln Ala Ala Gln Thr Cys Arg Trp Arg Ile Leu Ala Glu
288          20          25          30
290 Asp Asn Leu Leu Trp
291          35
293 <210> SEQ ID NO: 14
295 <211> LENGTH: 36
297 <212> TYPE: PRT
299 <213> ORGANISM: Homo sapiens
303 <400> SEQUENCE: 14
305 Leu Pro Ile Asp Val Gln Leu Tyr Ile Leu Ser Pro Leu Ser Pro His
306 1          5          10          15

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308 Asp Leu Cys Gln Leu Gly Ser Thr Asn His Tyr Trp Asn Glu Thr Val
309          20          25          30
311 Arg Asp Pro Ile
312          35
314 <210> SEQ ID NO: 15
316 <211> LENGTH: 39
318 <212> TYPE: PRT
320 <213> ORGANISM: Homo sapiens
324 <400> SEQUENCE: 15
326 Leu Pro Glu Asn Ile Leu Leu Glu Leu Phe Ile His Ile Pro Ala Arg
327 1          5          10          15
329 Gln Leu Leu Leu Arg Cys Arg Pro Val Cys Ser Leu Trp Arg Asp Leu
330          20          25          30
332 Ile Asp Leu Val Thr Leu Trp
333          35
335 <210> SEQ ID NO: 16
337 <211> LENGTH: 360
339 <212> TYPE: PRT
341 <213> ORGANISM: mouse
345 <220> FEATURE:
347 <221> NAME/KEY: misc_feature
349 <222> LOCATION: (353)..(358)
351 <223> OTHER INFORMATION: Xaa = any amino acid
355 <400> SEQUENCE: 16
357 Met Pro Phe Leu Gly Gln Asp Trp Arg Ser Pro Gly Trp Ser Trp Ile
358 1          5          10          15
360 Lys Thr Glu Asp Gly Trp Lys Arg Cys Asp Pro Cys Ser His Glu Leu
361          20          25          30
363 Arg Ser Glu Asp Ser Gln Tyr Thr Ile Asn His Ser Ile Ile Leu Asn
364          35          40          45
366 Ser Gly Glu Glu Glu Ile Phe Asn Asn Glu Cys Glu Tyr Ala Ala Lys
367          50          55          60
369 Lys Arg Lys Lys Glu His Phe Gly Asn Asp Thr Ala Ala His Ser Phe
370 65          70          75          80
372 Tyr Arg Glu Lys Trp Ile Tyr Val His Lys Glu Ser Thr Lys Glu Arg
373          85          90          95
375 His Gly Tyr Cys Thr Leu Gly Glu Ala Phe Asn Arg Leu Asp Phe Ser
376          100          105          110
378 Ser Ala Leu Gln Asp Ile Arg Arg Phe Thr Tyr Val Val Lys Leu Leu
379          115          120          125
381 Gln Leu Ile Ala Lys Ser Gln Leu Thr Ser Leu Ser Gly Val Ala Gln
382          130          135          140
384 Lys Asn Tyr Phe Asn Ile Leu Asp Lys Ile Val Gln Lys Val Leu Asp
385 145          150          155          160
387 Asp His Gln Asn Pro Arg Leu Leu Lys Gly Leu Leu Gln Asp Leu Ser
388          165          170          175
390 Ser Thr Leu Gly Ile Leu Val Arg Gly Val Gly Lys Ser Val Leu Val
391          180          185          190
393 Gly Asn Ile Asn Ile Trp Thr Cys Arg Leu Glu Thr Val Leu Ser Trp

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```

394          195          200          205
396 Gln Gln Gln Leu Gln Asn Leu Gln Val Thr Lys Gln Val Asn Thr Gly
397          210          215          220
399 Leu Thr Leu Ser Asp Leu Pro Leu His Met Leu Asn Asn Ile Leu Tyr
400 225          230          235          240
402 Arg Phe Ser Asp Gly Trp Asp Leu Val Thr Leu Gly Gln Val Thr Pro
403          245          250          255
405 Thr Leu Tyr Met Leu Ser Glu Asp Arg Arg Leu Trp Lys Arg Leu Cys
406          260          265          270
408 Gln Tyr His Phe Ala Glu Gln Gln Phe Cys Arg His Leu Ile Leu Ser
409          275          280          285
411 Glu Lys Gly His Leu Glu Trp Lys Leu Met Tyr Phe Thr Leu Gln Lys
412          290          295          300
414 Tyr Tyr Pro Thr Lys Glu Gln Tyr Gly Asp Thr Leu His Phe Cys Arg
415 305          310          315          320
417 His Cys Ser Ile Leu Phe Trp Lys Asp Ser Gly His Pro Cys Thr Arg
418          325          330          335
420 Ala Asp Pro Asp Ser Cys Phe Thr Pro Val Ser Pro Glu His Glu Ile
421          340          345          350
W--> 423 Xaa Leu Phe Lys Phe Xaa Trp Cys
424          355          360
426 <210> SEQ ID NO: 17
428 <211> LENGTH: 272
430 <212> TYPE: PRT
432 <213> ORGANISM: Homo sapiens
436 <400> SEQUENCE: 17
438 Leu Ile Leu Thr Ser Val Leu Leu Phe Gln Arg His Gly Tyr Cys Thr
439 1          5          10          15
441 Leu Gly Glu Ala Phe Asn Arg Leu Asp Phe Ser Ser Ala Ile Gln Asp
442          20          25          30
444 Ile Arg Thr Phe Asn Tyr Val Val Lys Leu Leu Gln Leu Ile Ala Lys
445          35          40          45
447 Ser Gln Leu Thr Ser Leu Ser Gly Val Ala Gln Lys Asn Tyr Phe Asn
448          50          55          60
450 Ile Leu Asp Lys Ile Val Gln Lys Val Leu Asp Asp His His Asn Pro
451 65          70          75          80
453 Arg Leu Leu Lys Asp Leu Leu Gln Asp Leu Ser Ser Thr Leu Cys Ile
454          85          90          95
456 Leu Thr Arg Gly Val Gly Lys Ser Val Leu Val Gly Asn Ile Asn Ile
457          100          105          110
459 Trp Thr Cys Arg Leu Glu Thr Ile Leu Ala Trp Gln Gln Gln Leu Gln
460          115          120          125
462 Asp Leu Gln Met Thr Lys Gln Val Asn Asn Gly Leu Thr Leu Ser Asp
463          130          135          140
465 Leu Pro Leu His Met Leu Asn Asn Ile Leu Tyr Arg Phe Ser Asp Gly
466 145          150          155          160
468 Trp Asp Ile Leu Thr Leu Gly Gln Val Thr Pro Thr Leu Tyr Met Leu
469          165          170          175
471 Ser Glu Asp Arg Gln Leu Trp Lys Lys Leu Cys Gln Tyr His Phe Ala

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; Xaa Pos. 353,358